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DATE: April 2, 2004

TO: Examiner: Unknown
Group Art Unit: 1754

FAX #: 703-872-9306

PHONE #: 703-308-0477

Application No.: 10/655,322
Applicant: Kumar et al.
Due Date: September 4, 2003

OUR REF.: 2950.15US03

FROM: Peter S. Dardi, Ph.D.
PHONE #: (612) 349-5746

Attached please find the following document for filing in the above-identified patent application:

- 1) Information Disclosure Statement (2 pages)
- 2) Form 1449/PTO (5 pages)

Sincerely,

Peter S. Dardi

Peter S. Dardi, Ph.D.
Reg. No. 39,650

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office, Fax No. 703-872-9306 on the date shown below thereby constituting filing of same.

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Peter S. Dardi
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 2950.15US03

KUMAR et al.

Confirmation No.: 5849

Application No.: 10/655,322

Examiner: Unknown

Filed: September 4, 2003

Group Art Unit: 1754

For: MULTIPLE METAL OXIDE SUBMICRON PARTICLES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This information is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required.

Copies of the references were cited by or submitted to the Office in Patent Application No. 10/436,772, filed May 13, 2003; Application No. 10/271,925, filed October 16, 2002 (Abandoned); Application No. 09/334,203, filed June 16, 1999, now U.S. Patent No. 6,482,374; and Application No. 09/188,768, filed November 09, 1998, now U.S. Patent No.

Application No. 10/655,322

6,607,706, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these references are not attached. 37 C.F.R. § 1.98(d).

Respectfully submitted,



Peter S. Dardi, Ph.D.
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Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 16-0631.

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Peter S. Dardi

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/655,322
				Filing Date	September 4, 2003
				First Named Inventor	KUMAR et al.
				Art Unit	1754
				Examiner Name	Unknown
Sheet	1	of	5	Attorney Docket Number	2950.15US03
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
		Number-Kind Code ² (if known)			
		4,687,643	08/1987	Cortesi et al.	
		4,828,834	05/1989	Nagaura et al.	
		4,956,062	09/1990	Ooi et al.	
		4,959,282	09/1990	Dahn et al.	
		4,980,251	12/1990	Thackeray et al.	
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		5,425,932	06/1995	Tarascon	
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		5,512,214	04/1996	Koksang	
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EXAMINER INITIAL ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
		EP 0 117 755 A2	05/1984	EPO	
		JP 2296732	12/1990	Japan	X
		EP 0 492 880 A2	01/1992	EPO	
		EP 0 520 217 B1	12/1992	EPO	X
		2 677 558	12/1992	France	X
		EP 0 417 538 B1	11/1994	EPO	
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				First Named Inventor	KUMAR et al.
				Art Unit	1754
Examiner Name				Unknown	
Sheet	2	of	5	Attorney Docket Number 2950.15US03	
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EXAMINER INITIAL*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
		Number-Kind Code ² (if known)			
		5,677,087	10/1997	Amine et al.	
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EXAMINER INITIAL*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
		Country Code* Number*Kind Code* (if known)			
		WO 96/12676	05/1996	PCT	
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		EP 0 820 113 A1	01/1998	EPO	
EXAMINER SIGNATURE			DATE CONSIDERED		

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				Attorney Docket Number	2950.15US03
Sheet	3	of	5		
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EXAMINER INITIAL ²	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
		Number-Kind Code ^{2 (if known)}			
		5,955,052	09/1999	Padhi et al.	
		5,958,348	09/1999	Bi et al.	
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		6,241,959	06/2001	Cho et al.	
FOREIGN PATENT DOCUMENTS					
EXAMINER INITIAL ²	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
		EP 0 837 036 A1	04/1998	EPO	X
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				Filing Date	September 4, 2003
				First Named Inventor	KUMAR et al.
				Art Unit	1754
				Examiner Name	Unknown
Sheet	5	of	5	Attorney Docket Number	2950.15US03
NON PATENT LITERATURE DOCUMENTS					
EXAMINER INITIAL ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		"Modeling a Porous Intercalation Electrode with Two Characteristic Particle Sizes" by, Darling et al., J. Electrochem. Soc., Vol. 144, No. 12, December 1997, pp. 4201-4207.			
		"Relationship Between Chemical Bonding Nature and Electrochemical Property of LiMn ₂ O ₄ Spinel Oxides with Various Particles Sizes: "Electrochemical Grafting: Concept" by, Treuil et al., J. Phys. Chem. B., 1999, Vol. 133, pp. 2100-2106.			
		"Nanocomposite Manganese Oxides for Rechargeable Lithium Batteries" by, J. Kim et al., Electrochemical and Solid-State Letters, 1 (5) 207-209 (September 1998).			
EXAMINER SIGNATURE		DATE CONSIDERED			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.</p> <p>This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</p> <p style="text-align: center;"><i>If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.</i></p>					